PORTABLE DEVICE MICROPHONE STATUS INDICATOR

RELATED APPLICATIONS

[0001] This application claims the benefit of priority under 35 U.S.C. § 119(e) of U.S. Provisional Application No. 62/916,583, filed Oct. 17, 2019, the content of which is incorporated herein by reference in its entirety.

FIELD OF THE DISCLOSURE

[0002] The present disclosure is related to consumer goods and, more particularly, to methods, systems, products, features, services, and other elements directed to media playback or some aspect thereof.

BACKGROUND

[0003] Options for accessing and listening to digital audio in an out-loud setting were limited until, in 2002, when SONOS, Inc. began development of a new type of playback system. Sonos then filed one of its first patent applications in 2003, entitled "Method for Synchronizing Audio Playback between Multiple Networked Devices," and began offering its first media playback systems for sale in 2005. The Sonos Wireless Home Sound System enables people to experience music from many sources via one or more networked playback devices. Through a software control application installed on a controller (e.g., smartphone, tablet, computer, voice input device), one can play what she wants in any room having a networked playback device. Media content (e.g., songs, podcasts, video sound) can be streamed to playback devices such that each room with a playback device can play back corresponding different media content. In addition, rooms can be grouped together for synchronous playback of the same media content, and/or the same media content can be heard in all rooms synchronously.

BRIEF DESCRIPTION OF THE DRAWINGS

[0004] Features, aspects, and advantages of the presently disclosed technology may be better understood with regard to the following description, appended claims, and accompanying drawings, as listed below. A person skilled in the relevant art will understand that the features shown in the drawings are for purposes of illustrations, and variations, including different and/or additional features and arrangements thereof, are possible.

[0005] FIG. **1**A is a partial cutaway view of an environment having a media playback system configured in accordance with aspects of the disclosed technology.

[0006] FIG. **1**B is a schematic diagram of the media playback system of FIG. **1**A and one or more networks.

[0007] FIG. **1**C is a block diagram of a playback device.

[0008] FIG. **1**D is a block diagram of a playback device.

[0009] FIG. **1**E is a block diagram of a network microphone device.

[0010] FIG. **1**F is a block diagram of a network microphone device.

[0011] FIG. **1**G is a block diagram of a playback device.

[0012] FIG. **1**H is a partially schematic diagram of a control device.

[0013] FIGS. **1**-I, **1**J, **1**K, and **1**L are schematic diagrams of corresponding media playback system zones.

[0014] FIG. **1**M is a schematic diagram of media playback system areas.

[0015] FIG. **2**A is a front isometric view of a playback device configured in accordance with aspects of the disclosed technology.

[0016] FIG. **2**B is a front isometric view of the playback device of FIG. **3**A without a grille.

[0017] FIG. **2**C is an exploded view of the playback device of FIG. **2**A.

[0018] FIG. **3**A is a front view of a network microphone device configured in accordance with aspects of the disclosed technology.

[0019] FIG. **3**B is a side isometric view of the network microphone device of FIG. **3**A.

[0020] FIG. **3**C is an exploded view of the network microphone device of FIGS. **3**A and **3**B.

[0021] FIG. **3**D is an enlarged view of a portion of FIG. **3**B.

[0022] FIGS. **4**A, **4**B, **4**C, and **4**D are schematic diagrams of a control device in various stages of operation in accordance with aspects of the disclosed technology.

[0023] FIG. **5** is front view of a control device.

[0024] FIG. **6** is a message flow diagram of a media playback system.

[0025] FIG. **7**A is a partial cutaway view of an environment having a media playback system configured in accordance with aspects of the disclosed technology.

[0026] FIG. **7**B is a block diagram of a portable playback device configured in accordance with aspects of the disclosed technology.

[0027] FIG. **7**C is a front isometric view of a portable playback device implemented as headphones configured in accordance with aspects of the disclosed technology.

[0028] FIG. **8**A is a front isometric view of a portable playback device implemented as headphones configured in accordance with aspects of the disclosed technology.

[0029] FIG. **8**B is a front isometric view of a portable playback device implemented as headphones configured in accordance with aspects of the disclosed technology.

[0030] FIG. **9**A is a cross-sectional view of a portion of earcup configured in accordance with aspects of the disclosed technology.

[0031] FIG. **9**B is a cross-sectional view of a portion of another earcup configuration in accordance with aspects of the disclosed technology.

[0032] FIG. **9**C illustrates a partial side-view of the earcup in accordance with aspects of the disclosed technology.

[0033] FIG. **9**D illustrates a visual indicator that corresponds to a light pipe that extends along the inner circumference of a ring of an earcup in accordance with aspects of the disclosed technology.

[0034] FIG. **10**A illustrates a first example of microphone circuitry of the portable playback device in accordance with aspects of the disclosed technology.

[0035] FIG. **10**B illustrates a second example of microphone circuitry of the portable playback device in accordance with aspects of the disclosed technology.

[0036] FIG. **10**C illustrates a third example of microphone circuitry of the portable playback device in accordance with aspects of the disclosed technology.

[0037] FIG. **11** illustrates operations performed by an example of the portable playback device in accordance with aspects of the disclosed technology.

[0038] FIG. **12** illustrates operations performed by another example of the portable playback device in accordance with aspects of the disclosed technology.